



PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of: Donald E. Alfano et al.

Serial No.: 09/885,459

Filed: June 19, 2001

Group: 2111

Examiner: Kenneth S. Kim

For: FIELD PROGRAMMABLE MIXED-SIGNAL INTEGRATED CIRCUIT

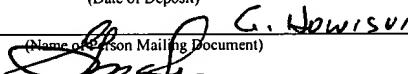
Mail Stop BOX DD  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Dear Sir:

05/13/2004 SZENDIE1 00000054 09885459

01 FC:1806

180.00 OP

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to Commissioner of Patents and Trademarks, Washington, DC 20231 on	
5/10/04 (Date of Deposit)	
G. Nowison (Name of Person Mailing Document)	
 (Signature)	
5/10/04 (Date of Signature)	

**SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT**

In accordance with the requirements of 37 C.F.R. §§ 1.56, 1.97, and 1.98, attached please find a Form PTO SB/08 listing information for consideration by the Office in connection with its examination of the above-captioned patent application. This information disclosure statement supplements an information disclosure statement previously submitted in connection with this application on May 7, 2003. A copy of each listed document is enclosed herewith.

This information disclosure statement is being filed after the period specified in paragraph (b) of §1.97, but before the mailing date of either a final action under §1.113, or a notice of allowance under §1.311. Therefore, pursuant to §1.97(c)(2), this information disclosure statement is accompanied by the fee set forth in §1.17(p).

It is brought to Examiner's attention that the references listed on the attached Form PTO SB/08 were previously submitted to the Office in connection with a prior application, namely Application Serial No. , which is relied upon in the current application for an earlier filing date

under 35 U.S.C. §120. Pursuant to 37 C.F.R. 1.98(d), copies of such previously submitted items are not provided herein.

Applicant requests that this information disclosure statement be considered and that a copy of the Form PTO SB/08 be returned to the undersigned indicating the consideration of each document listed.

**REMARKS**

Applicants submit that no representation is made, and no representation is intended, that more relevant material does not exist, or that the order of presentation of these materials in any way reflects their relevant pertinence. The listing on the attached Form PTO SB/08 is not intended to constitute an admission of any kind. Specifically, this presentation is not an admission that any of the items listed are properly citable against the above-identified application as prior art. Applicants respectfully submit that their invention is patentable over the enclosed documents listed on Form PTO SB/08.

Respectfully submitted,

HOWISON & ARNOTT, L.L.P.  
Attorneys for Applicants

Gregory M. Howison  
Registration No. 30,646

GMH/yoc

P.O. Box 741715  
Dallas, Texas 75374-1715  
Tel. (972) 479-0462  
Fax. (972) 479-0464  
May 10, 2004



MAY 13 2004

Approved for use through 07/31/2006. OMB 0651-0031  
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO

## INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Sheet 1 of 3

### Complete if Known

Application Number	09/885,459
Filing Date	June 19, 2001
First Named Inventor	Alfano et al.
Art Unit	2111
Examiner Name	Kenneth S. Kim
Attorney Docket Number	CYGL-25,768

### U. S. PATENT DOCUMENTS

Examiner Initials*	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code <sup>2</sup> ( <i>if known</i> )			
01	US- 3,783,192		01/01/1974	Takahashi	
02	US- 3,984,819		10/05/1976	Anderson	
03	US- 4,380,065		04/12/1983	Hirtle et al.	
04	US- 4,663,620		05/05/1987	Paul et al.	
05	US- 4,799,260		01/17/1989	Mandell et al.	
06	US- 4,807,183		02/21/1989	Kung et al.	
07	US- 4,928,260		05/22/1990	Chuang et al.	
08	US- 4,963,768		10/16/1999	Agrawal et al.	
09	US- 5,046,098		09/03/1991	Mandell et al.	
10	US- 5,261,059		11/09/1993	Hedberg et al.	
11	US- 5,392,446		02/21/1995	Tower et al.	
12	US- 5,428,750		06/27/1995	Hsieh et al.	
13	US- 5,444,705		08/22/1995	Olnowich et al.	
14	US- 5,511,222		04/23/1996	Shiba et al.	
15	US- 5,555,397		09/10/1996	Sasama et al.	
16	US- 5,555,543		09/10/1996	Grohoski et al.	
17	US- 5,559,971		09/24/1996	Hsieh et al.	
18	US- 5,603,061		02/11/1997	Hilley et al.	
19	US- 5,949,982		09/07/1999	Frankeny et al.	

### FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T <sup>6</sup>
		Country Code <sup>3</sup> Number <sup>4</sup> Kind Code <sup>5</sup> ( <i>if known</i> )				

Examiner Signature		Date Considered
--------------------	--	-----------------

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. <sup>1</sup>Applicant's unique citation designation number (optional). <sup>2</sup>See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup>Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup>For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup>Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. <sup>6</sup>Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.



MAY 13 2004

PTO/SB/08A (08-03)

Approved for use through 07/31/2006. OMB 0651-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

**Substitute for form 1449/PTO**

## INFORMATION DISCLOSURE STATEMENT BY APPLICANT

*(Use as many sheets as necessary)*

Sheet 2

of 3

**Complete if Known**

Application Number	09/885,459
Filing Date	June 19, 2001
First Named Inventor	Alfano et al.
Art Unit	2111
Examiner Name	Kenneth S. Kim
Attorney Docket Number	CYGL-25,768

## U. S. PATENT DOCUMENTS

## FOREIGN PATENT DOCUMENTS

Examiner Signature		Date Considered	
-----------------------	--	--------------------	--

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. <sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.



MAY 13 2004

PTO/SB/08B (08-03)

Approved for use through 07/31/2006. OMB 0651-0031  
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO

**C mplete if Known**

## INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Sheet	3	of	3	Attorney Docket Number	CYGL-25,768
-------	---	----	---	------------------------	-------------

### NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
	24	COMPUTER SYSTEM ARCHITECTURE; Second Edition; M. Morris Mano; 1982 by Prentice Hall, Inc. pp454-458	
	25	ON THE SPEEDUP REQUIRED FOR WORK-CONSERVING CROSSBAR SWITCHES; Krishna et al.; IEEE Journal on Selected Areas in Communications, Vol. 17, No. 6, June 1999; pp 1057-1066	
	26	TESTING CROSSBAR SWITCH INTERCONNECTION NETWORKS; Janusz Sosnowski, Institute of Computer Science, Warsaw University of Technology; ul. Nowowiejska 15/19; Warsaw 00-665, Poland	

Examiner Signature	Date Considered
--------------------	-----------------

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.